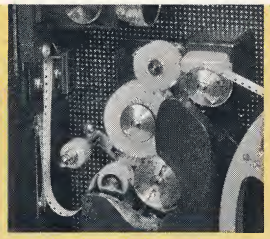
Kodak Customer Service Series

Kodak

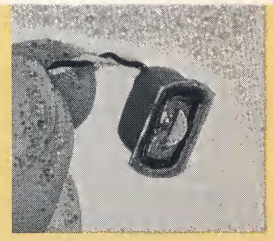
# SOUND 8 PROJECTOR

## WITH SPEAKER AND MICROPHONE

- NEW Kodak Sound Projector adds the realism of sound to your old and new 8mm movies
- RECORD voices, music, sound effects right on your films
- HEAR bell-clear, rich, natural playback of your sound tracks
- SEE a brilliant, sharp screen image of sound or silent films—up to five feet wide



**Split-second sound stabilization**
Turn on the Sound 8 and the film reaches sound speed almost **instantly.** This unmatched acceleration, produced by a unique sound drive, makes it easy to coordinate sound track and picture, makes performances more enjoyable.



**Incredibly hard Alfenol recording head**
The magnetic head on the Kodak Sound 8 Projector is made of a new metal called Alfenol—a discovery of modern science that will record for thousands of hours on 8mm magnetic striping without any loss in sound quality.

**Power-balanced amplifier and speaker**
You hear rich, undistorted sound because the printed-circuit amplifier operates at the power level that produces the best possible sound from the built-in speaker—with power enough for any external speaker, too.

**Easy-to-use recording controls**
Set the record switch and turn on the projector. Red light reminds you projector is recording. Blinking white light indicates you are recording at peak efficiency. Recording switch is self-locking to prevent accidental erasure.

## family voices, music, sound effects— you can record them all with the new

# KODAK SOUND 8 PROJECTOR

You can add a running commentary to your travel or vacation movies. You can even add a background of appropriate music and sound effects.

You can make movies of your children and their playmates come to life with their excited voices—and sage remarks—permanently recorded right on the film. Yet, if you "edit" the sound track, you simply reverse the film and then re-record.

Movies of your family parties and holiday gatherings can carry the voices of all family members and friends, as well as music and other sound effects—your old movies as well as the movies to come!

### Superb sound reproduction

Listen to the Kodak Sound 8 Projector play back your sound track. You hear pure, sparkling sound, unmuddled by distorted lows and highs.

The Kodak Sound 8 Projector's sound reproduction reaches a standard of fidelity not often surpassed even in 16mm sound movies. And, thanks to Kodak's special magnetic recording head—a recent achievement in magnetic metallurgy – the Sound 8 Projector maintains this uniform high quality of sound reproduction indefinitely.

### Brilliant screen image

The screen image projected by the Kodak Sound 8 sets an equally high standard. A new 500-watt projection lamp floods the screen with brilliant light. The ¾-inch, wide-angle, *f*/1.6 projection lens can show your movies up to five feet wide and still keep them sharply detailed.

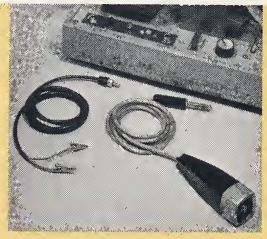
A quality pulldown and shutter combination keeps the picture steady and jump-free, and also contributes to the quiet operation of the Sound 8.

Hear and see the Kodak Sound 8 in action. Your Kodak dealer will be glad to project a demonstration reel for you. Then you'll know that this is the projector you've been waiting to own.

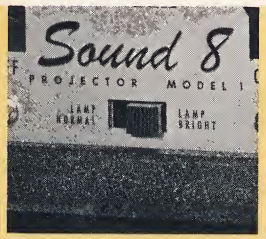
The Kodak Sound 8—the projector that makes the dream of *quality* 8mm movies a reality.

*Less than* **$350**

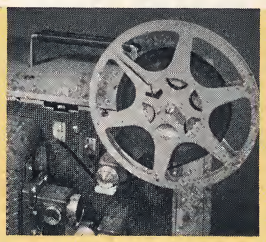
**High-impedance microphone and phono inputs**
With these two inputs you can record voices and music— separately or at the same time. You can also use the phono input to play back the sound track through your home sound system. Projector can be used as a PA system, too.



**Microphone, phono cord, record—standard equipment**
The projector comes to you complete . . . so you can start recording the minute you get your film striped. You get a high-quality microphone, phono connector cord, and long-play record of background music and sound effects.




**High-low control of lamp brilliance**
While you are recording, you can project at lower but adequate level of illumination and thus prolong the life of the projection lamp. For a performance, you switch to high brilliance—ample illumination for screenings 5 feet wide.



**Projector has many other features**
The Kodak Sound 8 Projector has 400-foot reel capacity for uninterrupted half-hour shows. Reel arms are attached. Provides forward and reverse projection, "stills," and power rewind. You can project at 16 or 24 fps. Never needs oiling.

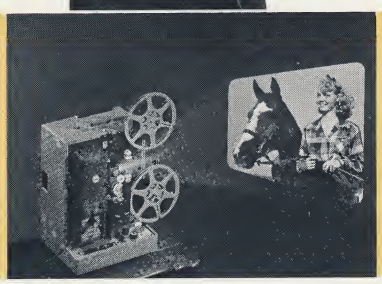
# with the Kodak Sound 8 Projector
# it's this easy to make your own sound tracks

1

You take your processed 8mm movie film to a Kodak dealer and have a magnetic oxide recording stripe, such as Kodak Sonotrack Coating, added to the film edge. This service costs but a few cents a foot.

2

Then you project your striped film with the Kodak Sound 8 Projector and record your commentary by speaking into the microphone supplied with the projector. At the same time you can also record music and other special effects using the phono connector cord and long-play record of background music and sound effects that come with the projector. You can record at either 16 or 24 frames per second, to match the speed at which you operate your camera.

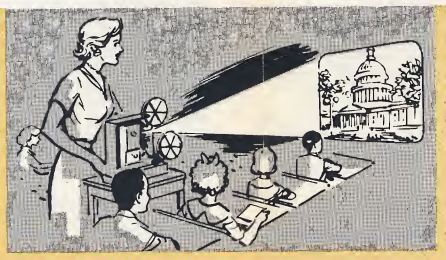


3

Then you can immediately play back your sound track by reversing or rewinding and projecting the film again. If you want to make changes in your commentary or music you simply re-record, and you can do this as many times as you wish. Re-recording automatically erases the previous sound track.

## how Magnetic Sound Movies can be used in the home...in schools and churches...in business

You can add a realistic new dimension to your family movies. Children's voices can be recorded at different ages to match the films made. Recording techniques can produce spoken titles, running commentary, background music.



Magnetic sound tracks can be tailored to the interest level of different age groups and class needs. Instructional sound films can be produced quickly and at low cost. Many commercial 8mm magnetic sound films are already available, and more are coming.

With the Kodak Sound 8 Projector, companies can produce their own low-cost 8mm sound movies for personnel training, sales meetings, and other company activities. Original scripts can be re-recorded in foreign languages to suit the needs of various export markets.

# KODAK SOUND 8 PROJECTOR
# SPECIFICATIONS

## PROJECTOR

**Dimensions**—Length, 11 inches; height, 15¼ inches; width, 10½ inches.

**Weight**—30 pounds, including case cover.

**Finish**—Two-tone blue metallic surface on projector; blue fabric covering on case.

**Cord**—10-foot power cord is permanently attached.

**Reel arms**—Attached to projector for quick setups.

**Film capacity**—400 feet of 8mm film.

**Operates**—105-125 volts, 60 cycles AC.

**Motor**—Split-phase induction type; quiet operation.

**Threading**—Easy-to-follow diagram on projector plate.

**Projection controls**—Separate switches for motor and lamp. Forward and reverse projection, "stills," power rewind.

**Projection speeds**—16 and 24 frames per second.

**Reverse action**—Projector reverses for ease in repeating a scene or making corrections on magnetic sound track.

**Rewind**—Motor driven; no need to change belts or transfer reels.

**Elevating control**—Works easily with one hand.

**Film gate**—Readily removed for inspection and cleaning.

**Lubrication**—Mechanism will never need oiling.

## OPTICAL SYSTEM

**Lamp**—500-watt internal reflector type.

**Lens**—Kodak Projection Ektanar Lens, ¾-inch, f/1.6, Lumenized.

**Illumination**—Choice of two light levels: brilliant for showings and a lower light level for use when recording.

**Cooling capacity**—Fan is capable of dissipating up to 1,000 watts.

## SOUND SYSTEM

**Sound drum**—Rotating-type drum and massive flywheel.

**Magnetic head**—Made of new Alfenol metal which provides lasting, uniform, high-quality sound from the magnetic track.

**Recording switch**—Self-locking to prevent accidental erasure.

**Speaker**—10″ x 2″ oval speaker is mounted in projector case. There is an output for playing through any external speaker and/or home sound system.

## AMPLIFIER

**Tubes**—1 ECC-83/12Ax7; 1 EL-84/6BQ5; 1 6C4; transistor 2N228.

**Frequency response**—70 to 9,000 cycles at 24fps
70 to 7,000 cycles at 16fps

**Microphone and phono inputs**—May be used separately or together for recording commentary or music. Projector can be used as a public address system.

Price subject to change without notice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